



A.D. 1858, 27th FEBRUARY. N° 388.

SPECIFICATION

OF

JAMES KNOTT.

FEEDING BOTTLE.

LONDON:

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5d. 1858.



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Feeding Bottle.

LETTERS PATENT to James Knott, of No. 63, Oakley Street, Lambeth, in the County of Surrey, Glass Manufacturer, for the Invention of “**AN IMPROVED FEEDING BOTTLE.**”

Sealed the 20th August 1858, and dated the 27th February 1858.

PROVISIONAL SPECIFICATION left by the said James Knott at the Office of the Commissioners of Patents, with his Petition, on the 27th February 1858.

I, JAMES KNOTT, of 63, Oakley Street, Lambeth, in the County of Surrey,
5 Glass Manufacturer, do hereby declare the nature of the said Invention for
“**AN IMPROVED FEEDING BOTTLE,**” to be as follows:—

I make the bottle much wider at the bottom part than the top, the latter being about the proper size to put into the mouth; if used for adults it may be a little larger than for infants, the said top or mouth part being bent a little
10 in the direction of the hole for supplying the bottle with the requisite liquid. I place the supply hole near the bottom part of the bottle, and in a line with the curved end, so that the person feeding the infant or invalid, can regulate the quantity of liquid to be administered by placing the thumb over the hole, and admitting air as required, to increase or diminish the flow to the mouth.

5 I fix a valve on this hole, when desired to regulate the flow of the liquid.

It will be observed, that by turning or bending the mouth part of the bottle, it is more convenient for feeding, and also prevents the liquid running out

Knott's Improved Feeding Bottle.

of the bottle when it is laid down without a cork being put into the supply hole.

This bottle is peculiarly adapted for feeding infants and invalids, and may be made of glass, earthenware, or other suitable material.

SPECIFICATION in pursuance of the conditions of the Letters Patent, filed 5 by the said James Knott in the Great Seal Patent Office on the 26th August 1858.

TO ALL TO WHOM THESE PRESENTS SHALL COME, I, JAMES KNOTT, of No. 63, Oakley Street, Lambeth, in the County of Surrey, Glass Manufacturer, send greeting. 10

WHEREAS Her most Excellent Majesty Queen Victoria, by Her Letters Patent, bearing date the Twenty-seventh day of February, in the year of our Lord One thousand eight hundred and fifty-eight, in the twenty-first year of Her reign, did, for Herself, Her heirs and successors, give and grant unto me, the said James Knott, Her special licence that I, the said James Knott, 15 my executors, administrators, and assigns, or such others as I, the said James Knott, my executors, administrators, and assigns, should at any time agree with, and no others, from time to time and at all times thereafter during the term therein expressed, should and lawfully might make, use, exercise, and vend, within the United Kingdom of Great Britain and 20 Ireland, the Channel Islands, and Isle of Man, an Invention for "**AN IMPROVED FEEDING BOTTLE**," upon the condition (amongst others) that I, the said James Knott, my executors or administrators, by an instrument in writing under my, or their, or one of their hands and seals, should particularly describe and ascertain the nature of the said Invention, and in what manner 25 the same was to be performed, and cause the same to be filed in the Great Seal Patent Office within six calendar months next and immediately after the date of the said Letters Patent.

NOW KNOW YE, that I, the said James Knott, do hereby declare the nature of my said Invention, and in what manner the same is to be per- 30 formed, to be particularly described and ascertained in and by the following statement (that is to say):—

I make my improved feeding bottle (which is suitable for either infants or invalids) of a peculiar shape or construction, with the hole or inlet at the upper side, and near the end, by which arrangement it can be filled and laid aside 35

Knott's Improved Feeding Bottle.

without the possibility of any portion of its contents running out; and I make the cork or stopper for the inlet hole to form or act as a valve, and admit of sufficient air to allow the food or medicine to be drawn off by suction, without allowing the air to mix or incorporate with the contents; it also allows the
5 bottle, when filled, to be immersed in warm water, to keep the food warm, which is very desirable when used for feeding infants.

The said stopper valve may be made of wood, metal, india-rubber, or any suitable material.

These improvements will be clearly understood by reference to the accompanying Sheet of Drawings, and the figures & letters of reference thereon. Fig^{rs} 1 & 2 are views of my improved feeder, and Fig^r 3, a section of the valve stopper.

The said stopper consists of a knob or part *a*, having a recess, into which is screwed the part *b*, furnished with cork or other tightening material *c*, both
5 parts having holes *d* for the admission of air. Within the recess is a disc or valve *e* of caouchouc, or other material of an elastic and closing nature, the said valve having one ore more holes, so that when suction is applied to the teat or nipple *f*, air enters the bottle and causes the flow of the liquid; but when there is no suction, the elasticity of the material closes the hole in the
0 disc, and also the hole in the knob, and thereby prevents the admission of air.

On the mouth of the taper neck of the feeder I fix a teat, made of any suitable elastic material with very small perforations, to allow the liquid to pass, and, if necessary, I fix a strainer to the nipple of the bottle, made of fine wire or other suitable material, to prevent the smallest particles of hard food
5 being conveyed to the stomach. It is evident that my improved feeder may be advantageously used to administer medicine to cattle, but in such case it may be made of tin, gutta percha, or other cheaper and more substantial substance than glass.

Having thus fully discribed the nature of my said Invention, and the manner in which the same is to be performed, I desire it to be distinctly understood that I do not confine myself to any particular dimensions of the bottle or feeder, nor to the precise construction of the valve stopper; but I claim as my Invention, and which, to the best of my knowledge and belief, has not been hitherto used within the realm,—

Firstly, the shape and configuration of a bottle or feeder with two flat sides and taper neck, and the inlet hole at the upper side, so that when the vessel is filled and laid aside, no portion of its contents can run out.

And, secondly, the improved stopper valve, for regulating the supply of air

Knott's Improved Feeding Bottle.

for the flow of the liquid by suction, as such improvements are herein described and illustrated in the accompanying Sheet of Drawings.

In witness whereof, I, the said James Knott, have hereunto set my hand and seal, this Twenty-sixth day of August, in the year of our Lord One thousand eight hundred and fifty-eight.

JAMES KNOTT. (L.S.)

Signed, sealed, and delivered, by the
within-named James Knott, in the
presence of

EDWARD THOMAS HUGHES, Patent Agent,
123, Chancery Lane, London.

LONDON :

Printed by GEORGE EDWARD EYRE and WILLIAM SPOTTISWOODE,
Printers to the Queen's most Excellent Majesty. 1858.

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KNOTT'S SPECIFICATION.

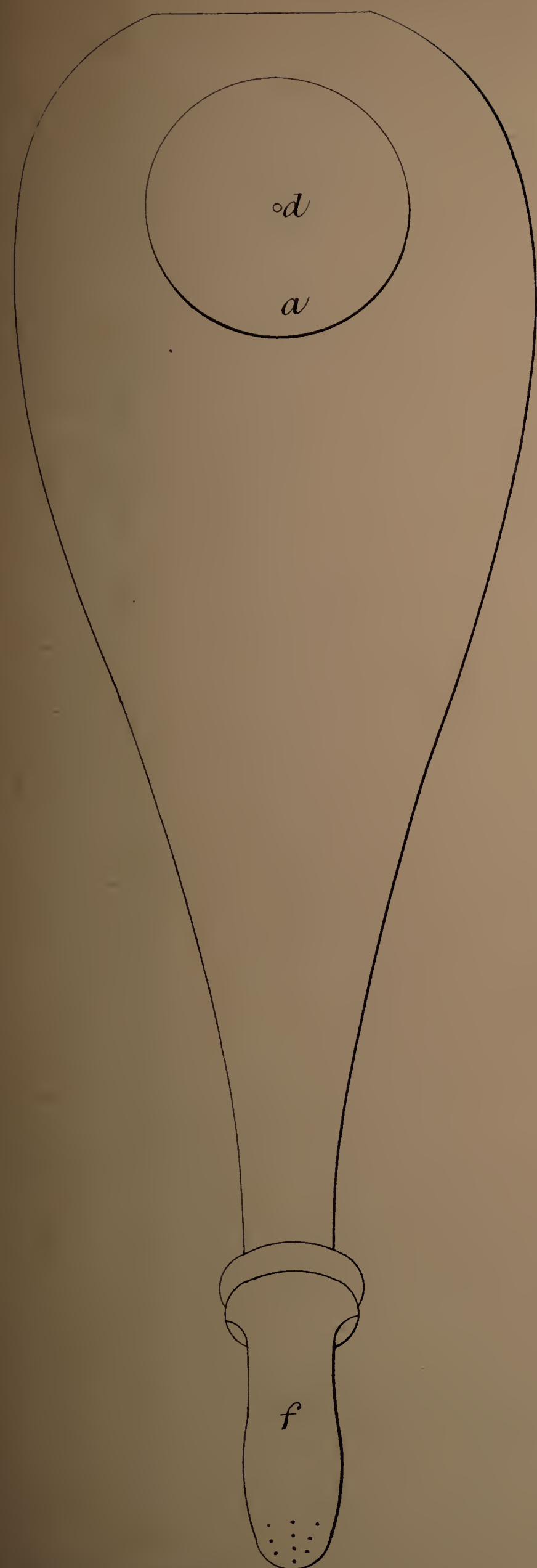


FIG. 1.

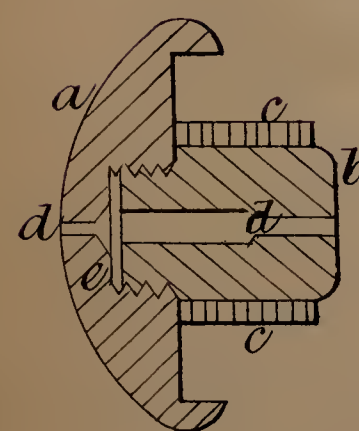


FIG. 3.

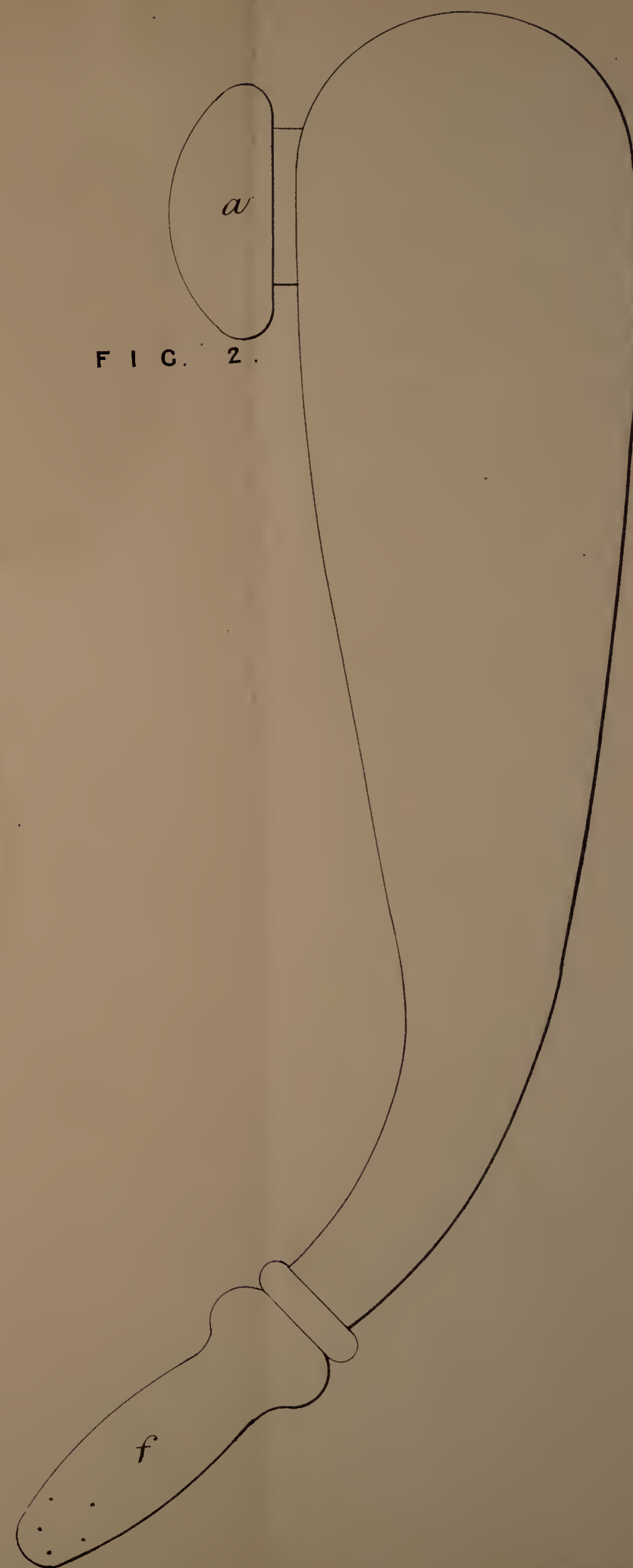


FIG. 2.

Drawn on Stone by Malby & Sons

The filed drawing is not colored.

